

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
GILL JENNINGS & EVERY  
Broadgate House  
7 Eldon Street  
London EC2M 7LH  
UNITED KINGDOM

**PCT**  
NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

Applicant's or agent's file reference <b>HMJ03575W0</b>	Date of mailing (day/month/year) <b>29/10/2003</b>
International application No. <b>PCT/GB 03/ 02935</b>	International filing date (day/month/year) <b>07/07/2003</b>
Applicant <b>LIPOXEN TECHNOLOGIES LIMITED</b>	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk  
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Authorized officer

Geertruida Groeneveld-Van der Spek

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>HMJ03575W0</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB 03/ 02935</b>	International filing date (day/month/year) <b>07/07/2003</b>	(Earliest) Priority Date (day/month/year) <b>05/07/2002</b>
Applicant <b>LIPOXEN TECHNOLOGIES LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

**METHOD TO ENHANCE AN IMMUNE RESPONSE OF NUCLEIC ACID VACCINATION**

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02935

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61K39/00 A61K39/145 A61P31/00 A61P31/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, CHEM ABS Data, MEDLINE, EMBASE, BIOSIS, SCISEARCH

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97 28818 A (THEREXSYS LTD) 14 August 1997 (1997-08-14) cited in the application page 3, line 5 -page 5, line 12 page 52, line 11 -page 53, line 8 claims 1-4,33	1-24
Y	WO 99 30733 A (DALEMANS WILFRIED L J ;SMITHKLINE BEECHAM BIOLOG (BE); FRIEDE MART) 24 June 1999 (1999-06-24) cited in the application page 4, line 6-24 page 9, line 8-15 page 9, line 18-23	1-24
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

6 October 2003

Date of mailing of the international search report

29/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
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 Fax: (+31-70) 340-3016

Authorized officer

Niemann, F

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02935

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GREGORIADIS G ET AL: "VACCINE ENTRAPMENT IN LIPOSOMES" METHODS: A COMPANION TO METHODS IN ENZYMOLOGY, ACADEMIC PRESS INC., NEW YORK, NY, US, vol. 19, no. 1, September 1999 (1999-09), pages 156-162, XP000973867 ISSN: 1046-2023 the whole document	1-24
A	WO 98 10748 A (GREGORIADIS GREGORY ;UNIV LONDON PHARMACY (GB)) 19 March 1998 (1998-03-19) cited in the application the whole document	

# INTERNATIONAL SEARCH REPORT

International application No.:  
PCT/GB 03/02935

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 13-16 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/02935

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9728818	A	14-08-1997	AT 225668 T	15-10-2002
			AU 724716 B2	28-09-2000
			AU 1800597 A	28-08-1997
			CA 2244110 A1	14-08-1997
			DE 69716240 D1	14-11-2002
			DE 69716240 T2	26-06-2003
			DK 880360 T3	27-01-2003
			EP 0880360 A1	02-12-1998
			ES 2184990 T3	16-04-2003
			WO 9728818 A1	14-08-1997
			JP 2000505802 T	16-05-2000
			PT 880360 T	28-02-2003
			US 2003100496 A1	29-05-2003
WO 9930733	A	24-06-1999	AU 740729 B2	15-11-2001
			AU 1967899 A	05-07-1999
			BR 9814285 A	03-10-2000
			CA 2313005 A1	24-06-1999
			CN 1284883 T	21-02-2001
			WO 9930733 A1	24-06-1999
			EP 1037662 A1	27-09-2000
			HU 0100197 A2	28-05-2001
			JP 2002508333 T	19-03-2002
			NO 20003087 A	08-08-2000
			NZ 504936 A	27-09-2002
			PL 341212 A1	26-03-2001
			TR 200001737 T2	21-12-2000
			US 2003072768 A1	17-04-2003
			US 6500432 B1	31-12-2002
			ZA 9811501 A	15-06-2000
WO 9810748	A	19-03-1998	AT 228824 T	15-12-2002
			AU 728581 B2	11-01-2001
			AU 4215497 A	02-04-1998
			CN 1237102 A	01-12-1999
			DE 69717661 D1	16-01-2003
			DE 69717661 T2	25-09-2003
			EP 1254657 A2	06-11-2002
			EP 0938298 A1	01-09-1999
			ES 2187812 T3	16-06-2003
			WO 9810748 A1	19-03-1998
			JP 2001502299 T	20-02-2001
			KR 2000036088 A	26-06-2000